First calculate the number of feet of pipe to be laid for each size. The price is the total in place cost. To calculate the cost, multiply the number of feet of pipe by the cost per foot. Add them together to get the total project cost.

Convert miles to feet

$$2.1 \text{ miles} \times \frac{5{,}280 \text{ ft}}{\text{mile}} = 11{,}088.00 \text{ ft}$$

$$1.8 \text{ miles} \times \frac{5{,}280 \text{ ft}}{\text{mile}} = 9{,}504.00 \text{ ft}$$

Cost of project

11,088.00 ft x $114.00 = $1,264,032.00

9,504.00 ft x $138.00 = $1,311,552.00

Total cost of project

$1, 264,032.00 + $1,311,552.00

$2,575,584.00